

CHAPTER 70

EQUIPMENT / SUPPLIES

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71 NATIONAL INTERAGENCY RADIO SUPPORT CACHE (NIRSC)

For a complete listing of NIRSC telecommunications equipment, refer to the National Incident Radio Support Cache User's Guide, NFES # 0968, or the NWCG Fire Supplies and Equipment Catalog, Part 1, NFES # 0362.

All communications equipment, ATMUs, **FRAWS** and/or PRAWS kits are to be ordered as **Equipment**.

71.1 EASTERN AREA REGIONAL & PREPOSITION RADIO KITS

The Northeastern Fire Cache (MN-NEK) stocks a regional radio module kit (NFES 7824) which consist of King portable radios.

In addition, the cache pre-positions two (2) 4390 Radio Starter Kits (NFES 4390).

All radio kits must be ordered as Equipment requests through normal dispatch channels to the Eastern Area Coordination Center for processing.

72 NATIONAL CONTRACT FOOD SERVICE AND NATIONAL CONTRACT SHOWER FACILITIES

For the schedule of items and specifications, refer to the National Interagency Mobile Food Services and the **2005-2008 National Contract Mobile Shower Facilities documentation**. This information can also be found at the following web site <http://www.fs.fed.us/fire/contracting>.

73 NATIONAL CONTRACT MOBILE COMMISSARY SERVICES

(See NMG, Ch. 70)

This information can be found at the following web site:
<http://www.fs.fed.us/fire/contracting/commissary/commissary.htm>.

74 ATMOSPHERIC THEODOLITE METEOROLOGICAL UNIT (ATMU) (NFES #1836)

AREA	CACHE LOCATION	ATMU #
Eastern	Grand Rapids, MN (MN-NEK)	MN-01

Atmospheric Theodolite Meteorological Units (ATMUs) will be requested on a **Equipment** order through established ordering channels **using ROSS**. Mobilization of ATMUs is not automatic. They will be mobilized only upon request from the Incident Meteorologist. See also EMG, Ch. 23.5.

74.1 INFRARED DEVICES

There are several types of infrared devices available within the interagency fire system which are used for locating hot areas on wildfires. These may be ordered through EACC from the Northeast Interagency Fire Cache.

Dynpotics Fire Finder II, NFES 0759 - It is an infrared heat sensor, flashlight type handheld model. It is operational by using two standard nine volt radio batteries. No qualified operator is needed. There are four units available.

Camera, Heat Detector, Texas Instruments, Palm IR-2500 NFES 7833 - Two cameras are available. The self-contained unit runs on four batteries with an operational life of eight hours.

75 FIRE / PROJECT REMOTE AUTOMATIC WEATHER STATIONS, (FRAWS- NFES #5869 / PRAWS-NFES #5870) (See NMG Ch. 70)

76 ENGINES AND WATER TENDERS

The table below lists the NWCG type standards for engines and water tenders. Please use this typing when requesting engines and water tenders.

NWCG Engine Types

COMPONENTS	STRUCTURE ENGINES		WILDLAND ENGINES				
	1	2	3	4	5	6	7
<u>Pump Rating</u> minimum flow (gpm) at rated pressure (psi)	1000+ 150	250+ 150	150 250	50 100	50 100	30 100	10 100
Tank Capacity Range (gal)	400+	400+	500+	750+	400- 750	150- 400	50- 200
<u>Hose (feet)</u>							
2.5 inch	1200	1000	—	—	—	—	—
1.5 inch	400	500	500	300	300	300	—
1 inch	—	—	500	300	300	300	200
Ladders	48'	48'	—	—	—	—	—
Master Stream (GPM)	500	—	—	—	—	—	—
Personnel (minimum)	4	3	3	2	2	2	2

Common Additional Needs – Request as needed:

- All-Wheel Drive
- Pump & Roll
- High Pressure Pump (minimum 40 gpm @ 250 psi)
- Class A Foam Proportioner
- Compressed Air Foam System (CAFS) (with minimum 40 cfm compressor)
- Additional Personnel

Engine personnel (Engine boss, engine operators & firefighters) should be mobilized as part of the equipment configuration & roster, not as separate Overhead requests. Engine crew replacement and swaps should be ordered by the Receiving unit as an ROSS Subordinate request under the original Equipment request.

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NWCG Water Tender Types

COMPONENTS	WATER TENDER TYPES		
	1	2	3
Tank Capacity (gallons)	5000+	2500+	1000+
Pump Capacity (GPM) *	300+	200+	200+
Off Load Capacity (GPM)	300+	200+	200+
Max Refill Time (minutes)	30	20	15

*Portable Pump
Acceptable

**** Drivers are mobilized as part of the water tender equipment – use a Support Request tied to the original Equipment request.**

77 DOZERS AND TRACTOR PLOWS

The table below lists the NWCG type standards for dozers and tractor plows. Please use this typing when requesting dozers and tractor plows. **Operators & transport are mobilized as part of the equipment order– use a Support Request tied to the original Equipment request.**

NWCG Dozer Types

	DOZER TYPES		
	1	2	3
Horsepower	HEAVY 200 min hp	MEDIUM 100 min hp	LIGHT 50 min hp
Examples	D-8H, D-7H, JD-850	D-5H, JD-650	D-46, JD-550, D-3

NWCG Tractor Plow Types

	TRACTOR PLOW TYPES					
	1	2	3	4	5	6
Horsepower	165 hp	140 hp	120 hp	90 hp	70-80 hp	42-60 hp
Examples	D-7, JD-840, TD-20 & larger	D-6, JD-750, TD-15, Case 1450	D5H, D4H, TD-12, Case 1150	D-4, JD-650, TD-9, D5C	JD-450, D4C, TD-8	JD-340, D3, JD-400, TD-7

78 EASTERN AREA FIRE CACHE SUPPORT VANS / TRAILERS**78.1 NORTHEAST FIRE CACHE VAN INVENTORY*****NORTHEAST 100 PERSON MOBILE SUPPORT CACHE VAN INVENTORY***

QTY	UNIT OF ISSUE	NFES#	DESCRIPTION
4	BX	0021	BAG , GARBAGE CAN LINER, PLASTIC, 30 GL, 39" X 33"
120	PG	0030	BATTERY , SIZE AA 1.5 VOLT PENLIGHT
12	PG	0033	BATTERY , SIZE D, 1.5 VOLT ALKALINE GENERAL PURPOSE
100	EA	0037	CANTEEN , 1 QT (.9L), PLASTIC, DISPOSABLE, W/O COVER
3	BX	0048	CONTAINER , 5 GL (18.9), PLASTIC, COLLAPSIBLE, W / OVERPACK
6	EA	0070	FLY , PLASTIC TENT, 16' X 24' W/10 GUY ROPES
12	EA	0077	TENT , 2 PERSON
1	EA	0082	POLE, RIDGE , FOR 10' X 12' TENT
30	EA	0083	POLE , UPRIGHT ADJUSTABLE
2	EA	0084	TENT , WALL, 14' X 16', W/O POLES
4	EA	0089	POLE , RIDGE, 16'
2	BX	0105	FUSEE , SIGNAL DEVICE, HAND
20	EA	0109	HELMET , SAFETY, PLASTIC W/ CHIN STRAP
10	KT	0126	KIT , WASH, ASSEMBLY
1	BX	0142	PAPER , TOILET
4	RO	0143	SHEETING , PLASTIC, CLEAR, 16' X 100'
40	EA	0146	PULASKI , W/ PLASTIC SHEATH
60	EA	0169	SHELTER , FIRE, W/ CASE AND POLYETHYLENE LINER
40	EA	0171	SHOVEL , W/ PLASTIC SHEATH, SIZE #1
1	EA	0223	TENT , WALL, 10' X 12', W/O POLES
1	BX	0240	TOWEL , PAPER, TWO PLY, ROLL
6	EA	0241	TORCH , DRIP, 1 1/4 GL (4.7 L) CAPACITY
8	PD	0250	PAPER , EASEL, 27" X 34"
12	RO	0264	RIBBON , FLAGGING, WHITE, 1" WIDE
12	RO	0278	RIBBON , FLAGGING, YELLOW, 1"WIDE
24	PR	0300	GOGGLE , SAFETY, CLEAR
5	EA	0307	EXTINGUISHER , FIRE, 20A: 120BC, 20 LBS.
24	PR	0318	GOGGLES , CLEAR LENS, UVEX STEALTH MODEL ANSI Z87.1
5	EA	0319	EXTINGUISHER , FIRE, DRY CHEMICAL, RATING 60-B:C, 10 LB (4.5 L)
1	KT	0320	KIT , INCIDENT BASE MAINTENANCE
4	KT	0340	KIT , CHAIN SAW
48	QT	0341	OIL , 2 CYCLE
2	BK	0362	CATALOG , NWCG NFES PART 1 AND 2, (2006)
1	KT	0390	KIT , FINANCE SECTION
1	KT	0480	KIT , COFFEE HEATING
1	KT	0520	KIT , HELICOPTER SUPPORT
2	EA	0532	SCALES , SPRING, 200 LB.
1	SL	0533	CORD , NYLON SHROUD

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6	EA	0557	CHEST , ICE, 48 QT
9	RO	0566	RIBBON , FLAGGING, "ESCAPE ROUTE", 1" X 100 YDS
5	EA	0570	SHIRT , FIRE, XX - LARGE
3	EA	0576	FLIGHT SUIT , CHEST SIZE 46, INSEAM 30 1/2" ®
10	EA	0577	SHIRT , FIRE, SMALL
20	EA	0578	SHIRT , FIRE, MEDIUM
20	EA	0579	SHIRT , FIRE, LARGE
10	EA	0580	SHIRT , FIRE, X - LARGE
2	EA	0598	HANDTRUCK , W/ LARGE WHEELS
6	EA	0606	CAN , GASOLINE, SAFETY, 5 GL, DOT APPROVED STYLE JERRI CAN
1	KT	0650	KIT , EVACUATION, S.K.E.D.
1	EA	0664	TANK , FOLDING , 1500 GL (5678.1 L), W/ FRAME
20	EA	0667	HEADLAMP , FIREFIGHTERS
2	EA	0692	BERM , CONTAINMENT, 55 GL, (1-4 DRUMS)
2	EA	0709	GENERATOR , GASOLINE ENGINE, 3 - 6 KW, W/ GROUNDING ROD
10	EA	0744	PACKSACK , WATERPROOF, W/ STRAPS
1	KT	0760	KIT , OFFICE SUPPLIES, INCIDENT BASE
2	KT	0772	KIT , MOP-UP, LATERAL LINE, 3 - WAND
1	KT	0800	KIT , PLANNING SECTION
90	EA	0825	STAKES , TENT, METAL
6	KT	0870	KIT , PUMP, FIRE, PORTABLE (MARK III)
1	KT	0910	KIT , LOGISTICS SECTION
6	EA	0943	JUG , INSULATED, 5 GL (18.9 L)
1	KT	0970	KIT , SECURITY FENCE
20	LG	1016	HOSE , GARDEN, SYNTHETIC, 3/4" NH X 50'
1	KT	1031	KIT , SIGN, INCIDENT BASE
48	EA	1034	HOLDER , RADIO BATTREY, FOR 9 EACH AA ALKALINE
1	KT	1040	KIT , CRASH RESCUE
100	EA	1062	BAG , SLEEPING, FIREFIGHTERS, 36" X 86"
6	KT	1143	KIT , FIRST AID, 20 - 25 PERSON, BELT TYPE
4	PL	1145	FOAM CONCENTRATE , CLASS A, 5 GL, LIQUID, (18.9 L)/PAIL
30	EA	1149	PUMP , BACKPACK, OUTFIT, 5 1/2" X 15 1/2" X 19", MANUALLY
3	PR	1225	GLOVES , FLIGHT, SIZE 10
3	EA	1269	BAG , FLIGHT HELMET
10	PR	1294	GLOVES , LEATHER, FOREST WORKER, SMALL, NFPA COMPLIANCE
20	PR	1295	GLOVES , LEATHER, FOREST WORKER, MEDIUM, NFPA COMPLIANCE
30	PR	1296	GLOVES , LEATHER, FOREST WORKER, LARGE, NFPA COMPLIANCE
30	PR	1297	GLOVES , LEATHER, FOREST WORKER, X-LARGE, NFPA COMPLIANCE
2	EA	1343	CAN , GARBAGE, W/O LID, METAL, 32 GL (121.1 L)
2	EA	1352	SORTER , CARD, "T"
2	EA	1368	LID , METAL GARBAGE CAN, 32 GL (121.1 L)
1	SH	1374	FORM , ICS-215-WS , OPERATIONAL PLANNING WORKSHEET, (9/86), 36" X 64"
100	EA	1566	PAD , SLEEPING , 3/8" X 23" X 75", ETHALENE VINYL ACETATE FOAM
1	KT	1760	KIT , FIRST AID, 100-PERSON
10	EA	1814	COMPASS , SMOKE CHASER
8	BX	1842	FOOD , MEALS READY TO EAT (MRE'S)
20	LG	1873	HOSE , SYNTHETIC WEEPING, 1" NPSH X100'
20	EA	2047	CHAIR , FOLDING, METAL

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3	EA	2315	HELMET , FLIGHT, SPH-5C, X - LARGE
12	RO	2396	RIBBON , FLAGGING CHARTREUSE FLOURESCENT, 1" WIDE
12	RO	2398	RIBBON , FLAGGING ORANGE FLOURESCENT, 1" WIDE
6	EA	2501	LANTERN , CAMP, ELECTRIC, FLOURESCENT
10	EA	2698	TABLE , FOLDING, 6' X 8'
5	PR	2701	JEAN , FLAME RESISTANT, BDU, 28" - 32" X 34" INSEAM
10	PR	2703	JEAN , FLAME RESISTANT, BDU, 32" - 36" X 34" INSEAM
10	PR	2704	JEAN , FLAME RESISTANT, BDU, 34" - 38" X 34" INSEAM
5	PR	2705	JEAN , FLAME RESISTANT, BDU, 36" - 40" X 34" INSEAM
5	PR	2707	JEAN , FLAME RESISTANT, BDU, 40" - 44" X 34" INSEAM
5	PR	2801	JEAN , FLAME RESISTANT, BDU, 28" - 32" X 30" INSEAM
10	PR	2802	JEAN , FLAME RESISTANT, BDU, 30" - 34" X 30" INSEAM
10	PR	2804	JEAN , FLAME RESISTANT, BDU, 34" - 38" X 30" INSEAM
5	PR	2805	JEAN , FLAME RESISTANT, BDU, 36" - 40" X 34" INSEAM
5	PR	2807	JEAN , FLAME RESISTANT, BDU, 40" - 44" X 30" INSEAM
2	EA	3161	EASEL , DISPLAY, 27" X 36" W/ FOLDING LEGS
2	KT	6051	KIT , LIGHTING, MULTI-LIGHT CORD
2	EA	7108	PLYWOOD , 4' X 8' X 1/2" SHEET
1	EA	7125	LADDER , STEP 8'
10	EA	7127	TRAFFIC CONE , ORANGE
8	EA	7153	LUMBER , 2" X 4" X 8'
7	KT	7250	KIT , HELICOPTER, LEADLINE, NET, SWIVEL
2	EA	7582	RECEIVER , GPS, GARMIN HANDHELD
2	KT	7595	KIT , FOAM, AROUND PUMP (IN BOX)
1	KT	7668	KIT , LONGLINE, W/ REMOTE HOOK. (MN STD)
12	KT	7673	HOSE , SYN WEEPING 1 1/2" X 400' IN BOX
12	KT	7674	HOSE , SYN WEEPING 400' IN NYLON PACK
10	EA	7831	LUMBER , 2" X 2" X 8' (FOR HELIBASE)
1	EA	7851	PUMP , TIRE (FOR BASE UNITS)

78.2 HIAWATHA NATIONAL FOREST FIRE CACHE TRAILER INVENTORY

HIAWATHA NATIONAL FOREST 70 PERSON CACHE SUPPORT TRAILER

Description	NFES #	MINIMUM	ACTUAL
Axe, Single bit, 24"	352	0	19
Bag, Duffle	1071	0	16
Bag, Sleeping, 3lb. fill	22	0	13
Bag, Flight Helmet	1269	0	0
Battery D Cell	29	0	0
Battery 6 volt	31	0	0
Battery Size AA	30	0	0
Battery,king,Radio	1520	0	0
Back Pack Board		0	2
Brush, Wire		0	1
Can Fuel 5gal. Jeep Type	36	0	3

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Canteen 1qt,Covers		12	99
Canteen 1qt, Disposable Type W/Cover	38	20	48
Canteen 2qt W/Strap	41	5	26
Canteen 4qt W/Strap	1063	5	18
Chainsaw chain (Stihl)			1
Chain, Loggers, (3/8 x 75')			1
Chainsaw, bar, Stihl, 18"			1
Chainsaw, oil cap			1
Chainsaw, Srench			4
			8
Chemical,Wetting Agent Gallons	1329	4	gal.
Clamp, Hose Shut-Off	46	5	5
Clock, Alarm		1	1
Cooler,5Gal [igloo]	6006		0
Coleman Lantern, Gas Type		1	2
Coleman,Stove,3,Burner,Type		1	1
Cooler Chest Type		3	3
Coveralls, Nomex, Orange		5	2
Coveralls, Nomex, Green		0	4
Cubitainers			45
			50
Earplugs,Foam,Type	1027	1	pkgs.
Extension cord, 50ft	563	1	2
Extinguisher, Fire 10lb	319	2	2
Extinguisher, Fire 20lb		1	3
Files,Chain,Saw 7/32		0	9
Files,Flat,10" Mill, Bastard	60	10	13
Flagging, Rolls, Orange,Yellow, Blue		0	34
Fluids, Purging, 16oz. Can	700	0	18
			55
Foam			gal.
Fusee, Fire Starter, 10min	105	0	144
Funnel, Plastic, [sm]		0	1
Fire Line Marker Ribbon		0	1
Gloves Forest Worker [sm]	1186	10	20
Gloves Forest Worker [med]	1187	10	40
Gloves Forest Worker [large]	1188	10	40
Gloves Forest Worker [x-large]	1189	10	70
Goggles Sand/ Wind/Dust	1024	12	38
Goggles, Safety			7
Grease Gun [sm]		0	1
Hammer, Claw		0	2
Headlamp, AA		25	17
Helicopter Support Kit		0	1
			10
Helmet, Safety, Red/yellow	109	10	ea.
Holder,T-Card		0	3
Hood, Nomex		0	13
Hose, Garden [3/4 " x50"]	239	0	10
Hose, Garden, Collapsible, (3/4 x 50)	1069	5	43
Hose, Linen, Unlined [1x100"]	111	5	60

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Hose, Linen, Unlined [1x1/2" x100']	112	5	53
Pants, Fire, Size 32 (old style)		0	2
Pants, Fire, Size 34 (old style)		0	3
Pants, Fire, Size 36 (old style)		0	5
Pants, Fire, 28x30x34		0	2
Pants, Fire, 28x32x30		5	8
Pants, Fire, 28x32x34		5	15
Pants, Fire, 30x34x30		5	9
Pants, Fire, 30x34x34		5	16
Pants, Fire, 32x36x30		5	12
Pants, Fire, 32x36x34		5	14
Pants, Fire, 34x38x30		5	15
Pants, Fire, 34x38x34		5	7
Pants, Fire, 36x40x34		5	10
Pants, Fire, 38x42x30		5	0
Pants, Fire, 38x42x34		5	3
Kit, Chain Saw SN-231657060	Stihl	1	1
Kit Chain Saw SN- 231717790	Stihl	1	1
Kit Chain Saw SN-231717832	Stihl	1	1
Kit Crash and Rescue	1040	1	1
Kit Helicopter Support	520	1	3
Kit First Aid Pocket Size	67	10	25
Kit 10 person First Aid	1143	2	13
Expiration items purchase locally as needed			
Kit Mop Up 6 PERSON	730	1	3 complete
Kit Mark III SN- 77-418		0	1
Kit Mark III Sn-76-149		0	1
Kit Mark III SN-84-19160		0	1
Kit Mark 26 SN-94-y-3213		0	1
Mark III Heads and Gaskets		0	4
6 Volt Lantern w/o Batteries	127	2	10
McLeod 11" Wide	296	0	27
McLeod Guards Plastic Type		0	45
Message Dropper Aircraft	284	2	9
Nozzle Plastic 1" Adjustable	138	2	10
Nozzle Plastic 1 1/2' Adjustable	137	2	41
Nozzle Straight Stream w/3 Tips	1282	2	18
Oil Husqavarna 50:1 Mix		0	18
Oil Stihl 2cyl.		0	18
Oil Shell 30 sae		0	8
Oil Pennzoil 50-1 Mix		0	12
Pack, Field, Firefighter (yellow)	1372	5	20
Packsack (for yellow web gear)		5	18
Pack, Field, Military Web Gear		6	12
Packsack, Waterproof w/straps	744	0	9
Pack, Personal Gear	1855		18
Pad, Sleeping, Grey	1566		50
Pail, Collapsible, Canvas	141	0	15
Pliers			2

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Pliers, Vise grip			1
Primer, Hand, Mark III	145	0	3
Pressure Gauge Western type			1
Pulaski	146	10	30
Pulaski, guard, plastic			9
Pump, Backpack	1149	5	17
Radio, Harness		0	5
Rake, Fire, (Council Tool)	1807	10	30
Rope Spool			1
Repellent, Insect	154	0	25
Sheeting, Plastic, Clear, 10' x 100'	143	0	1
Shelter, Forest Fire w/pouch	169	10	66
Shelter, Plastic, Liners			54
Shirt, Fire Resistant (small)	577	0	10
Shirt, Fire Resistant (medium)	578	5	45
Shirt, Fire Resistant (large)	579	5	30
Shirt, Fire Resistant (x-large)	580	0	20
Shovel, #1 NFES	171	10	40
Shovel, guard plastic			18
Staple Gun			1
Staples, SF1 standard			1 box
Spout, Gas, Flexible, 16" steel	210	1	2
Tank, Folding, 1000 gal. w/frame	661	0	1
Tank, Gasoline, 5 gal. Mark III	218	0	1
Tank, Pillow Shaped, 150 gal.	716	0	0
Tank, Pillow Shaped, 300 gal.	244	0	2
Tent, Sixty Second		10	10
Tent, Fly, w/poles (crew size)		0	1
Tent, Fly, Personal (9x10)	70	0	16
Tent, Fly, Personal (16x24)		0	2
Time Keeper Sign			50
Trash can, (metal 32 gal.)			2
Trash can, (plastic 30 gal.)			3
Torch, Drip, Gaskets		0	22
Torch, Drip	241	2	26
Towel, Bath	26	0	200
Valve, Wye, Gated 1 1/2"	231	2	16
Valve, Wye, Gated 1"			5
Wrench, Adjustable 7"			1
Wrench, Spanner, 11'	235	2	3
Wrench, Spanner, 5"	234	2	8
Wrench, 10mm			6
Wrench, Barrel			2
Washer, Hose			1
Zone Cache Radio Kit			1
At S.O. Fire Center w/ Mike Miller			
Mobile Radio (Mike Miller)			4
SN LMH 3142 J33008 AG0001029927			

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Generator, Generac 5500XL	(for cahce use only)	1
Telephones	(for cahce use only)	3
Hand Cart	(for cache use only)	1
Craftsman Toolbox (226pc)	(for cahce use only)	1
Craftsman Tool chest	(for cache use only)	1
Mr. Heater w/propane tank	(for cache use only)	1
Craftsman cordless drill and flashlight w/ carrying case.		1
Sleeping cot	(for cache use only)	2
Portable Lighting (w/stands)	(for cache use only)	3
Drop Light w/cord	(for cache use only)	1

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